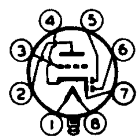
RCA

7C6

DUPLEX-DIODE HIGH-MU TRIODE

Heater*	Coated Unipotential Cathode	
Voltage	6.3 □	a-c or d-c volts
Current	0.15 □□	amp.
Direct Interelectrode Capacitances - Triode Unit:o		
Grid to Plate	1.4	μμf
Grid to Cathode	2.4	μμf
Plate to Cathode	3.0	μμf
Maximum Overall Length		2-25/32"
Maximum Seated Height		2-1/4" ←
Maximum Diameter		1-3/16"
Bulb		T-9
Base		Lock-in 8-Pin

Pin 1 - Heater
Pin 2 - Triode Plate
Pin 3 - Triode Grid
Pin 4 - Cathode
Pin 5 - Diode Plate #2



BOTTOM VIEW (8W)

Pin 6 - Diode Plate #1
Pin 7 - Cathode
Pin 8 - Heater
Plug - Base Shell

Mounting Position: Any

TRIODE UNIT

Plate Voltage	250 max.	volts
Characteristics - Class A_1 Amplifier:		
Heater	6.3	volts
Plate	250	volts
Grid	-1	volt
Amp. Fact.	100	
Plate Res.	0.1	megohm
Transcond.	1000	μmhos
Plate Cur.	1.3	ma.
Typical Operation—Resistance-Coupled Amplifier:		
Plate Supply	250	volts
Load Resistance	0.25	megohm
Grid Resistor	10	megohms

DIODE UNITS - Two

Consideration of these units is given under Type 85. Circuits will be similar to those shown for the 55 with fixed bias. Diode biasing of the triode unit of the 7C6 is not suitable. ←
Diode curves under Type 6B7 apply to the 7C6.

□ Nominal voltage = 7.0 volts.
□□ Nominal current = 0.16 ampere.
* In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.
o Values are approximate.
← Indicates a change.

April 15, 1940 | TENTATIVE DATA

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.